



July 2009

**DEPARTMENT OF EDUCATION**  
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at [www.maine.gov/education/mea/index.htm](http://www.maine.gov/education/mea/index.htm).

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron  
Commissioner of Education



## School Report Grade 8

Test Date: March 2009  
Code: 11491389  
SAU: Scarborough School Department  
School: Scarborough Middle School

### Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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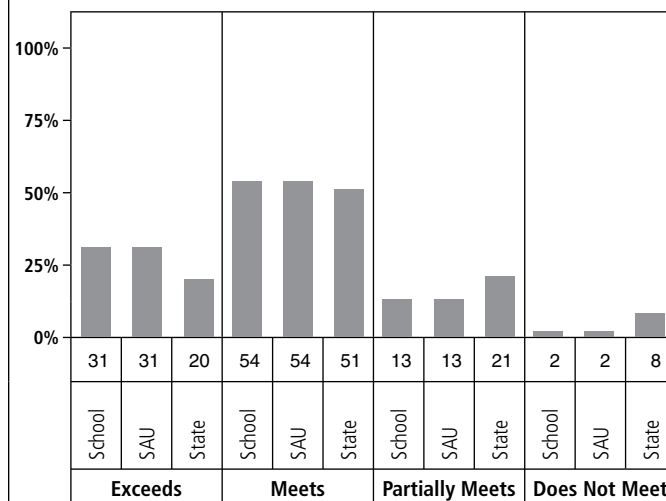
# SUMMARY OF SCORES

Test Date: March 2009  
Grade: 8  
SAU: Scarborough School Department  
School: Scarborough Middle School

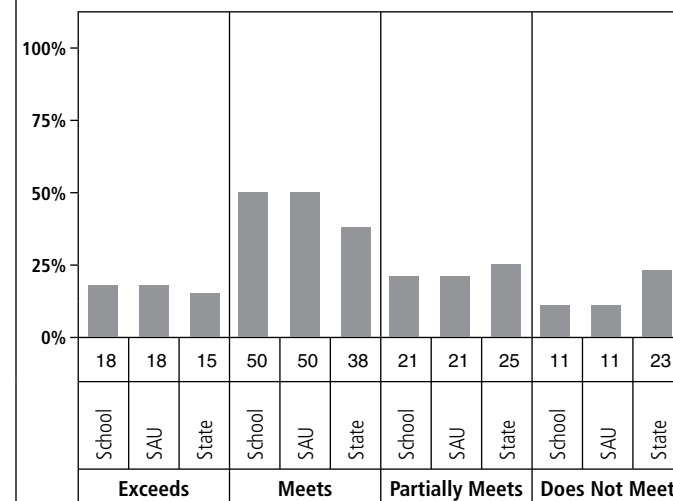
## Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
<b>ELA – Reading</b>			
2006–2007	854	854	847
2007–2008	858	858	849
<b>2008–2009</b>	<b>856</b>	<b>856</b>	<b>850</b>
Cum. Avg.*	856	856	849
<b>Mathematics</b>			
2006–2007	850	849	842
2007–2008	849	849	841
<b>2008–2009</b>	<b>849</b>	<b>849</b>	<b>843</b>
Cum. Avg.*	849	849	842
<b>Science</b>			
<b>2008–2009 **</b>	<b>852</b>	<b>852</b>	<b>846</b>

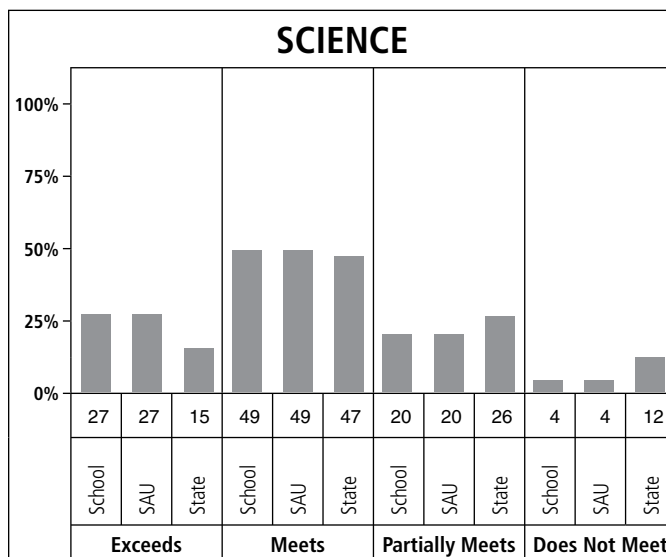
### ELA – READING



### MATHEMATICS



### SCIENCE



\*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

\*\* Because science standards were reset in May 2009, no historical data are available

# SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009  
Grade: 8  
SAU: Scarborough School Department  
School: Scarborough Middle School

CATEGORY OF PARTICIPATION	Enrollment <sup>1</sup> during testing window						CONTENT AREA PARTICIPATION <sup>2</sup>																	
	School		SAU		State		ELA-Reading						Mathematics						Science					
	n		n		n		n		n		n		n		n		n		n		n		n	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
<b>Total number of students</b>	275	100	275	100	14804	100	272	99	272	99	14659	99	273	100	273	100	14653	99	273	100	273	100	14626	99
<b>Ethnicity</b> African American/Black	4	1	4	1	377	3	4	100	4	100	366	97	4	100	4	100	371	98	4	100	4	100	367	97
American Indian or Native Alaskan	0	0	0	0	119	1	0	0	0	0	117	99	0	0	0	0	115	97	0	0	0	0	116	98
Asian or Pacific Islander	9	3	9	3	238	2	8	89	8	89	232	97	9	100	9	100	234	98	9	100	9	100	234	98
Hispanic	3	1	3	1	192	1	3	100	3	100	188	98	3	100	3	100	191	100	3	100	3	100	190	99
Caucasian/White	259	94	259	94	13878	94	257	100	257	100	13756	99	257	100	257	100	13742	99	257	100	257	100	13719	99
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Identified disability</b>	40	15	40	15	2489	17	40	100	40	100	2434	99	40	100	40	100	2424	98	40	100	40	100	2418	98
<b>Current LEP</b>	4	1	4	1	349	2	3	75	3	75	331	95	4	100	4	100	342	98	4	100	4	100	338	97
<b>Economically disadvantaged</b>	36	13	36	13	5460	37	36	100	36	100	5380	99	36	100	36	100	5377	99	36	100	36	100	5359	98
<b>Migrant</b>	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100	0	0	0	0	6	100

MODE OF PARTICIPATION <sup>3</sup>	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Participation without accommodations</b>	236	86	236	86	12132	82	238	87	238	87	12124	82	238	87	238	87	12169	82
Identified disability (PET/IEP)	10	4	10	4	379	3	12	5	12	5	380	3	12	5	12	5	425	3
LEP	2	1	2	1	166	1	2	1	2	1	169	1	2	1	2	1	168	1
504 plan	3	1	3	1	200	2	3	1	3	1	200	2	3	1	3	1	202	2
<b>Participation with accommodations</b>	33	12	33	12	2349	16	32	12	32	12	2347	16	32	12	32	12	2288	15
Identified disability (PET/IEP)	27	82	27	82	1877	80	25	78	25	78	1862	79	25	78	25	78	1824	80
LEP	1	3	1	3	158	7	2	6	2	6	167	7	2	6	2	6	165	7
504 plan	1	3	1	3	70	3	1	3	1	3	70	3	1	3	1	3	66	3
Other	4	12	4	12	292	12	4	13	4	13	297	13	4	13	4	13	280	12
<b>Participation through alternate assessment (PAAP)</b>	3	1	3	1	178	1	3	1	3	1	182	1	3	1	3	1	169	1
Identified disability (PET/IEP)	3	100	3	100	178	100	3	100	3	100	182	100	3	100	3	100	169	100
LEP	0	0	0	0	7	4	0	0	0	0	6	3	0	0	0	0	5	3
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Approved non-participation in reading – 1st year LEP</b>	0	0	0	0	0	0												
<b>Approved non-participation – special consideration</b>	1	0	1	0	32	0	1	0	1	0	34	0	1	0	1	0	38	0
<b>Non-participation – other</b>	2	1	2	1	113	1	1	0	1	0	117	1	1	0	1	0	140	1

<sup>1</sup>Percents are the percentage of students enrolled in each participation category.

<sup>2</sup>Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

<sup>3</sup>Percents are the percentage of students in each content area by mode.

# ELA–READING RESULTS

Test Date: March 2009  
Grade: 8  
SAU: Scarborough School Department  
School: Scarborough Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 862–880)	2006-2007	75	29	75	29	2407	16
	2007-2008	110	41	110	41	3428	23
	<b>2008-2009</b>	<b>83</b>	<b>31</b>	<b>83</b>	<b>31</b>	<b>2857</b>	<b>20</b>
	Cum. Total*	268	34	268	33	8692	19
<b>Meets the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 842–860)	2006-2007	138	53	138	52	7494	49
	2007-2008	133	49	133	49	7179	48
	<b>2008-2009</b>	<b>146</b>	<b>54</b>	<b>146</b>	<b>54</b>	<b>7431</b>	<b>51</b>
	Cum. Total*	417	52	417	52	22104	49
<b>Partially Meets the Standards</b> – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 830–840)	2006-2007	34	13	35	13	3628	24
	2007-2008	20	7	20	7	2706	18
	<b>2008-2009</b>	<b>35</b>	<b>13</b>	<b>35</b>	<b>13</b>	<b>2979</b>	<b>21</b>
	Cum. Total*	89	11	90	11	9313	21
<b>Does Not Meet the Standards</b> – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 800–828)	2006-2007	14	5	15	6	1810	12
	2007-2008	7	3	7	3	1611	11
	<b>2008-2009</b>	<b>5</b>	<b>2</b>	<b>5</b>	<b>2</b>	<b>1214</b>	<b>8</b>
	Cum. Total*	26	3	27	3	4635	10

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	56	100	39.6	70.7	39.6	70.7	35.5	63.4
A1/A2 Interconnected Elements/Literary Text	20	36	13.7	68.5	13.7	68.5	12.3	61.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	36	64	25.9	71.9	25.9	71.9	23.2	64.4

The MEA measures student achievement of the interconnected elements of the reading process based on questions related to literary and informational/persuasive reading passages. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:  
<http://www.maine.gov/education/lres/pei/index.html>.



# ELA-READING RESULTS

## (CONTINUED)

Test Date: March 2009  
 Grade: 8  
 SAU: Scarborough School Department  
 School: Scarborough Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	269	83	31	146	54	35	13	5	2	856	269	31	54	13	2	856	14481	20	51	21	8	850
<b>Ethnicity</b>																						
African American/Black	4										4						362	8	43	29	20	843
American Indian or Native Alaskan	0										0						116	10	46	26	18	843
Asian or Pacific Islander	8	4	50	2	25	2	25	0	0	855	8	50	25	25	0	855	231	28	43	19	10	851
Hispanic	3										3						186	17	48	23	12	847
Caucasian/White	254	78	31	138	54	33	13	5	2	856	254	31	54	13	2	856	13586	20	52	20	8	850
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	37	3	8	12	32	19	51	3	8	842	37	8	32	51	8	842	2256	2	25	40	34	834
No	232	80	34	134	58	16	7	2	1	858	232	34	58	7	1	858	12225	23	56	17	4	853
<b>Current LEP</b>																						
Yes	3										3						324	5	34	36	26	838
No	266	83	31	145	55	33	12	5	2	856	266	31	55	12	2	856	14157	20	52	20	8	850
<b>Economically disadvantaged</b>																						
Yes	36	6	17	21	58	7	19	2	6	850	36	17	58	19	6	850	5277	10	46	29	15	844
No	233	77	33	125	54	28	12	3	1	857	233	33	54	12	1	857	9204	26	54	16	5	853
<b>Migrant</b>																						
Yes	0										0						5	0	40	60	0	841
No	269	83	31	146	54	35	13	5	2	856	269	31	54	13	2	856	14476	20	51	21	8	850
<b>Gender</b>																						
Female	139	53	38	69	50	15	11	2	1	858	139	38	50	11	1	858	7074	25	51	18	6	852
Male	130	30	23	77	59	20	15	3	2	853	130	23	59	15	2	853	7407	14	51	23	11	847
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						857	9	43	35	14	843
No	269	83	31	146	54	35	13	5	2	856	269	31	54	13	2	856	13624	20	52	20	8	850
<b>Gifted/talented program</b>																						
Yes	12	9	75	3	25	0	0	0	0	872	12	75	25	0	0	872	700	69	30	1	0	867
No	257	74	29	143	56	35	14	5	2	855	257	29	56	14	2	855	13781	17	52	22	9	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number



# ELA-READING RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009  
 Grade: 8  
 SAU: Scarborough School Department  
 School: Scarborough Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	3	2	22	4	44	2	22	1	11	850	3	22	44	22	11	850	8	8	39	29	24	841
B. less than one hour	38	25	25	60	59	13	13	3	3	853	38	25	59	13	3	853	51	17	53	22	8	849
C. one to two hours	50	48	36	70	52	15	11	1	1	858	50	36	52	11	1	858	36	24	52	18	5	852
D. more than two hours	9	7	29	12	50	5	21	0	0	854	9	29	50	21	0	854	5	29	45	18	9	852
<b>Which of the following best describes how you rate yourself as a student in reading?</b>																						
A. very good	36	40	41	48	49	7	7	2	2	860	36	41	49	7	2	860	31	35	50	11	4	856
B. good	50	38	29	74	56	18	14	3	2	855	50	29	56	14	2	855	47	16	55	21	7	849
C. fair	13	3	9	21	62	10	29	0	0	847	13	9	62	29	0	847	18	5	47	33	15	842
D. poor	1	0	0	3	100	0	0	0	0	847	1	0	100	0	0	847	3	2	39	37	22	839
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?</b>																						
A. The questions on the test match what I have learned in reading class.	23	25	40	30	48	6	10	1	2	858	23	40	48	10	2	858	32	27	54	14	5	853
B. They match some of what I have learned.	63	51	30	94	56	20	12	3	2	856	63	30	56	12	2	856	52	18	53	22	8	850
C. They match just a little of what I have learned.	11	4	14	18	62	7	24	0	0	852	11	14	62	24	0	852	12	11	45	29	15	844
D. There is no match.	3	2	22	4	44	2	22	1	11	850	3	22	44	22	11	850	4	6	34	33	26	838
<b>How difficult was the reading part of this test?</b>																						
A. more difficult than my regular schoolwork	12	12	36	10	30	9	27	2	6	852	12	36	30	27	6	852	15	13	42	28	17	844
B. about the same as my regular schoolwork	66	50	28	101	57	22	13	3	2	855	66	28	57	13	2	855	64	19	53	20	7	850
C. easier than my regular schoolwork	21	19	34	33	59	4	7	0	0	860	21	34	59	7	0	860	22	25	52	16	6	852
<b>How difficult were the reading passages on this test?</b>																						
A. Most of the passages were more difficult than what I normally read.	2	1	17	1	17	3	50	1	17	841	2	17	17	50	17	841	8	6	34	34	26	838
B. Most of the passages were about the same as what I normally read.	59	40	25	91	58	22	14	4	3	854	59	25	58	14	3	854	52	14	54	24	8	848
C. Most of the passages were easier than what I normally read.	39	41	40	53	51	9	9	0	0	860	39	40	51	9	0	860	40	30	53	13	4	855
<b>How hard did you try on the reading part of this test?</b>																						
A. I tried harder on this test than I do on my regular schoolwork.	32	29	34	45	52	10	12	2	2	857	32	34	52	12	2	857	39	19	50	22	9	849
B. I tried about the same as I do on my regular schoolwork.	62	49	29	93	56	22	13	3	2	856	62	29	56	13	2	856	54	21	53	19	7	851
C. I did not try as hard on this test as I do on my regular schoolwork.	6	4	27	8	53	3	20	0	0	852	6	27	53	20	0	852	7	12	46	27	15	845
<b>How much time do you spend reading at home each day?</b>																						
A. more than one hour	14	14	37	18	47	6	16	0	0	857	14	37	47	16	0	857	19	26	53	15	6	853
B. 20 minutes to an hour	41	43	39	56	51	8	7	3	3	858	41	39	51	7	3	858	40	25	52	17	6	852
C. less than 20 minutes	21	14	25	32	58	9	16	0	0	855	21	25	58	16	0	855	15	18	51	21	10	849
D. I rarely read at home.	24	11	17	40	62	12	18	2	3	852	24	17	62	18	3	852	26	7	50	30	13	844
<b>How do you feel about the following statement?</b>																						
<b>"My knowledge of reading will be useful to me as an adult."</b>																						
A. strongly agree	41	39	35	62	56	9	8	1	1	858	41	35	56	8	1	858	42	27	51	15	6	853
B. agree	52	37	27	75	54	23	17	4	3	853	52	27	54	17	3	853	50	15	53	23	9	848
C. disagree	6	5	31	8	50	3	19	0	0	856	6	31	50	19	0	856	7	8	46	32	14	843
D. strongly disagree	1	1	50	1	50	0	0	0	0	864	1	50	50	0	0	864	2	6	39	35	21	840
<b>Optional school/SAU question</b>																						
A.	33	1	50	0	0	1	50	0	0	854	33	50	0	50	0	854						
B.	67	0	0	2	50	2	50	0	0	841	67	0	50	50	0	841						
C.	0										0											
D.	0										0											

E = Exceeds the Standards    M = Meets the Standards    P = Partially Meets the Standards    D = Does Not Meet the Standards  
 N = Number

# MATHEMATICS RESULTS

Test Date: March 2009  
Grade: 8  
SAU: Scarborough School Department  
School: Scarborough Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 862–880)	2006-2007	63	24	63	24	1952	13
	2007-2008	48	18	48	18	1657	11
	<b>2008-2009</b>	<b>49</b>	<b>18</b>	<b>49</b>	<b>18</b>	<b>2116</b>	<b>15</b>
	Cum. Total*	160	20	160	20	5725	13
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 842–860)	2006-2007	112	43	112	43	5870	38
	2007-2008	139	52	139	52	5956	40
	<b>2008-2009</b>	<b>136</b>	<b>50</b>	<b>136</b>	<b>50</b>	<b>5443</b>	<b>38</b>
	Cum. Total*	387	48	387	48	17269	39
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 830–840)	2006-2007	61	23	61	23	3982	26
	2007-2008	59	22	59	22	3729	25
	<b>2008-2009</b>	<b>56</b>	<b>21</b>	<b>56</b>	<b>21</b>	<b>3556</b>	<b>25</b>
	Cum. Total*	176	22	176	22	11267	25
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 800–828)	2006-2007	25	10	27	10	3534	23
	2007-2008	23	9	23	9	3579	24
	<b>2008-2009</b>	<b>29</b>	<b>11</b>	<b>29</b>	<b>11</b>	<b>3356</b>	<b>23</b>
	Cum. Total*	77	10	79	10	10469	23

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Mathematics Total Points</b>	<b>56</b>	<b>100</b>	32.3	57.7	32.3	57.7	28.6	51.1
<b>A. Number</b>	<b>8</b>	<b>14</b>	4.0	50.0	4.0	50.0	3.7	46.3
<b>B. Data</b>	<b>16</b>	<b>29</b>	10.0	62.5	10.0	62.5	8.9	55.6
<b>C. Geometry</b>	<b>12</b>	<b>21</b>	5.7	47.5	5.7	47.5	5.0	41.7
<b>D. Algebra</b>	<b>20</b>	<b>36</b>	12.6	63.0	12.6	63.0	10.9	54.5

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

# MATHEMATICS RESULTS

## (CONTINUED)

Test Date: March 2009  
 Grade: 8  
 SAU: Scarborough School Department  
 School: Scarborough Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	270	49	18	136	50	56	21	29	11	849	270	18	50	21	11	849	14471	15	38	25	23	843
<b>Ethnicity</b>																						
African American/Black	4										4						367	6	24	26	44	831
American Indian or Native Alaskan	0										0						114	5	31	32	32	836
Asian or Pacific Islander	9	2	22	4	44	1	11	2	22	848	9	22	44	11	22	848	233	27	33	20	21	847
Hispanic	3										3						190	8	31	26	34	836
Caucasian/White	254	44	17	131	52	52	20	27	11	849	254	17	52	20	11	849	13567	15	38	25	22	843
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	37	0	0	10	27	12	32	15	41	832	37	0	27	32	41	832	2242	2	12	22	63	824
No	233	49	21	126	54	44	19	14	6	851	233	21	54	19	6	851	12229	17	42	25	16	846
<b>Current LEP</b>																						
Yes	4										4						336	6	18	26	51	829
No	266	49	18	135	51	55	21	27	10	849	266	18	51	21	10	849	14135	15	38	25	23	843
<b>Economically disadvantaged</b>																						
Yes	36	5	14	18	50	7	19	6	17	845	36	14	50	19	17	845	5270	6	30	28	36	835
No	234	44	19	118	50	49	21	23	10	849	234	19	50	21	10	849	9201	20	42	22	16	847
<b>Migrant</b>																						
Yes	0										0						5	0	0	40	60	828
No	270	49	18	136	50	56	21	29	11	849	270	18	50	21	11	849	14466	15	38	25	23	843
<b>Gender</b>																						
Female	140	25	18	72	51	29	21	14	10	849	140	18	51	21	10	849	7070	15	39	25	22	843
Male	130	24	18	64	49	27	21	15	12	849	130	18	49	21	12	849	7401	14	36	25	25	842
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						857	5	25	33	37	835
No	270	49	18	136	50	56	21	29	11	849	270	18	50	21	11	849	13614	15	38	24	22	843
<b>Gifted/talented program</b>																						
Yes	12	9	75	3	25	0	0	0	0	873	12	75	25	0	0	873	700	68	27	3	1	866
No	258	40	16	133	52	56	22	29	11	847	258	16	52	22	11	847	13771	12	38	26	24	841

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number



# MATHEMATICS RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009  
 Grade: 8  
 SAU: Scarborough School Department  
 School: Scarborough Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	3	2	22	2	22	3	33	2	22	839	3	22	22	33	22	839	8	8	24	24	44	833
B. less than one hour	38	12	12	56	55	22	22	11	11	846	38	12	55	22	11	846	51	12	38	26	23	842
C. one to two hours	50	31	23	67	50	23	17	14	10	851	50	23	50	17	10	851	36	19	40	23	19	845
D. more than two hours	9	4	17	10	42	8	33	2	8	846	9	17	42	33	8	846	5	19	36	22	23	844
<b>Which of the following best describes how you rate yourself as a student in mathematics?</b>																						
A. very good	31	31	38	41	51	5	6	4	5	859	31	38	51	6	5	859	28	33	41	15	11	852
B. good	45	14	12	62	53	31	26	11	9	847	45	12	53	26	9	847	45	11	43	25	21	842
C. fair	23	3	5	27	44	20	33	11	18	840	23	5	44	33	18	840	21	3	27	35	35	834
D. poor	1	0	0	1	33	0	0	2	67	834	1	0	33	0	67	834	5	2	14	30	54	828
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?</b>																						
A. The questions on the test match what I have learned in mathematics class.	16	8	19	24	56	8	19	3	7	851	16	19	56	19	7	851	28	23	41	21	15	848
B. They match some of what I have learned.	58	31	20	84	54	26	17	14	9	850	58	20	54	17	9	850	52	13	40	25	21	843
C. They match just a little of what I have learned.	23	9	15	22	35	21	34	10	16	844	23	15	35	34	16	844	16	8	28	30	34	836
D. There is no match.	3	1	11	5	56	1	11	2	22	847	3	11	56	11	22	847	4	5	15	22	58	826
<b>How difficult was the mathematics part of this test?</b>																						
A. more difficult than my regular schoolwork	39	10	10	55	52	27	26	13	12	845	39	10	52	26	12	845	32	6	34	29	32	837
B. about the same as my regular schoolwork	45	18	15	62	52	28	23	12	10	848	45	15	52	23	10	848	52	13	41	25	20	843
C. easier than my regular schoolwork	16	21	49	17	40	1	2	4	9	859	16	49	40	2	9	859	16	39	35	13	13	853
<b>How hard did you try on the mathematics part of this test?</b>																						
A. I tried harder on this test than I do on my regular schoolwork.	40	19	18	62	57	17	16	10	9	850	40	18	57	16	9	850	42	12	38	26	25	841
B. I tried about the same as I do on my regular schoolwork.	55	27	18	67	45	39	26	16	11	848	55	18	45	26	11	848	52	17	39	23	20	845
C. I did not try as hard on this test as I do on my regular schoolwork.	4	3	25	6	50	0	0	3	25	849	4	25	50	0	25	849	7	12	27	27	35	837
<b>How often do you use calculators in mathematics class?</b>																						
A. almost every day	45	39	32	57	47	18	15	7	6	854	45	32	47	15	6	854	34	18	40	22	20	845
B. two or three days a week	29	8	10	45	58	15	19	9	12	847	29	10	58	19	12	847	35	14	38	26	21	843
C. two or three times each month	15	2	5	20	49	12	29	7	17	842	15	5	49	29	17	842	18	12	37	27	24	841
D. never or almost never	11	0	0	13	43	11	37	6	20	839	11	0	43	37	20	839	13	9	32	25	34	837
<b>How often do you use laptops in mathematics class?</b>																						
A. almost every day	8	0	0	14	64	5	23	3	14	844	8	0	64	23	14	844	9	13	38	23	26	841
B. two or three days a week	15	12	30	17	43	9	23	2	5	854	15	30	43	23	5	854	17	11	37	26	26	841
C. two or three times each month	43	20	17	77	66	17	15	3	3	852	43	17	66	15	3	852	28	15	40	25	20	844
D. never or almost never	33	17	19	27	30	25	28	21	23	843	33	19	30	28	23	843	46	16	36	24	23	843
<b>How do you feel about the following statement?</b> "My knowledge of mathematics will be useful to me as an adult."																						
A. strongly agree	57	36	23	77	50	27	18	14	9	851	57	23	50	18	9	851	52	19	41	22	18	846
B. agree	37	9	9	49	49	27	27	14	14	844	37	9	49	27	14	844	39	11	35	27	27	840
C. disagree	4	3	30	4	40	2	20	1	10	849	4	30	40	20	10	849	6	7	28	26	39	835
D. strongly disagree	2	1	20	4	80	0	0	0	0	856	2	20	80	0	0	856	3	4	25	28	43	832
<b>Optional school/SAU question</b>																						
A.	33	0	0	0	0	2	100	0	0	837	33	0	0	100	0	837						
B.	67	0	0	1	25	1	25	2	50	830	67	0	25	25	50	830						
C.	0										0											
D.	0										0											

# SCIENCE RESULTS

Test Date: March 2009  
Grade: 8  
SAU: Scarborough School Department  
School: Scarborough Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 862–880)	2008-2009*	72	27	72	27	2155	15
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 842–860)	2008-2009*	132	49	132	49	6687	47
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 828–840)	2008-2009*	54	20	54	20	3672	26
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 800–826)	2008-2009*	12	4	12	4	1749	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Science Total Points</b>	56	100	35.8	63.9	35.8	63.9	32.0	57.1
<b>D. The Physical Setting</b>	31	55	19.4	62.6	19.4	62.6	17.1	55.2
<b>D1/D2 Earth/Space</b>	17	30	10.5	61.8	10.5	61.8	9.4	55.3
<b>D3/D4 Matter and Energy/Force and Motion</b>	14	25	8.9	63.6	8.9	63.6	7.7	55.0
<b>E. The Living Environment</b>	25	45	16.4	65.6	16.4	65.6	14.9	59.6

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:  
<http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting  
D1 - Universe and Solar System  
D2 - Earth  
D3 - Matter and Energy  
D4 - Force and Motion

Content Standard E. The Living Environment  
E1 - Biodiversity  
E2 - Ecosystems  
E3 - Cells  
E4 - Heredity and Reproduction  
E5 - Evolution

# SCIENCE RESULTS

## (CONTINUED)

Test Date: March 2009  
 Grade: 8  
 SAU: Scarborough School Department  
 School: Scarborough Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	270	72	27	132	49	54	20	12	4	852	270	27	49	20	4	852	14263	15	47	26	12	846
<b>Ethnicity</b>																						
African American/Black	4										4						360	4	31	35	30	835
American Indian or Native Alaskan	0										0						114	8	39	31	22	839
Asian or Pacific Islander	9	3	33	3	33	2	22	1	11	853	9	33	33	22	11	853	230	20	44	23	13	848
Hispanic	3										3						184	9	45	29	16	842
Caucasian/White	254	68	27	126	50	49	19	11	4	852	254	27	50	19	4	852	13375	15	47	25	12	846
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	37	2	5	12	32	18	49	5	14	838	37	5	32	49	14	838	2221	3	22	36	38	832
No	233	70	30	120	52	36	15	7	3	854	233	30	52	15	3	854	12042	17	51	24	7	848
<b>Current LEP</b>																						
Yes	4										4						331	4	20	39	37	832
No	266	72	27	132	50	52	20	10	4	852	266	27	50	20	4	852	13932	15	48	25	12	846
<b>Economically disadvantaged</b>																						
Yes	36	5	14	17	47	10	28	4	11	846	36	14	47	28	11	846	5184	6	40	33	21	840
No	234	67	29	115	49	44	19	8	3	853	234	29	49	19	3	853	9079	20	51	21	8	849
<b>Migrant</b>																						
Yes	0										0						5	0	0	80	20	829
No	270	72	27	132	49	54	20	12	4	852	270	27	49	20	4	852	14258	15	47	26	12	846
<b>Gender</b>																						
Female	140	35	25	66	47	31	22	8	6	851	140	25	47	22	6	851	6953	14	47	28	11	846
Male	130	37	28	66	51	23	18	4	3	853	130	28	51	18	3	853	7310	16	46	24	13	846
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						828	5	35	40	20	839
No	270	72	27	132	49	54	20	12	4	852	270	27	49	20	4	852	13435	16	48	25	12	846
<b>Gifted/talented program</b>																						
Yes	12	10	83	1	8	1	8	0	0	868	12	83	8	8	0	868	699	65	34	2	0	865
No	258	62	24	131	51	53	21	12	5	851	258	24	51	21	5	851	13564	13	48	27	13	845

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# SCIENCE RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009  
 Grade: 8  
 SAU: Scarborough School Department  
 School: Scarborough Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	3	2	22	4	44	1	11	2	22	846	3	22	44	11	22	846	8	8	34	28	30	837
B. less than one hour	38	19	19	55	54	23	23	4	4	850	38	19	54	23	4	850	51	14	48	27	11	846
C. one to two hours	50	49	36	57	42	24	18	5	4	854	50	36	42	18	4	854	36	19	48	24	9	848
D. more than two hours	9	2	8	16	67	5	21	1	4	850	9	8	67	21	4	850	5	17	49	20	14	847
<b>Which of the following best describes how you rate yourself as a student in science?</b>																						
A. very good	24	27	42	31	48	5	8	1	2	860	24	42	48	8	2	860	23	27	47	17	8	851
B. good	57	37	24	80	53	30	20	5	3	851	57	24	53	20	3	851	53	15	50	26	10	847
C. fair	17	8	17	21	46	14	30	3	7	846	17	17	46	30	7	846	20	4	43	35	18	840
D. poor	3	0	0	0	0	4	57	3	43	827	3	0	0	57	43	827	4	4	27	34	35	834
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about science?</b>																						
A. The questions on the test match what I have learned in science class.	17	15	33	23	50	8	17	0	0	855	17	33	50	17	0	855	26	20	49	23	9	849
B. They match some of what I have learned.	59	37	23	82	52	32	20	7	4	851	59	23	52	20	4	851	51	14	48	26	11	846
C. They match just a little of what I have learned.	19	17	34	23	46	10	20	0	0	855	19	34	46	20	0	855	18	13	44	28	15	844
D. There is no match.	6	3	20	4	27	3	20	5	33	839	6	20	27	20	33	839	4	5	33	30	32	836
<b>How difficult was the science part of this test?</b>																						
A. more difficult than my regular schoolwork	39	24	23	50	48	24	23	6	6	851	39	23	48	23	6	851	32	13	45	28	14	844
B. about the same as my regular schoolwork	53	38	27	74	52	27	19	4	3	852	53	27	52	19	3	852	56	15	49	25	11	847
C. easier than my regular schoolwork	8	10	48	7	33	2	10	2	10	855	8	48	33	10	10	855	11	21	43	22	13	847
<b>How hard did you try on the science part of this test?</b>																						
A. I tried harder on this test than I do on my regular schoolwork.	33	23	26	41	46	22	24	4	4	850	33	26	46	24	4	850	39	14	47	27	12	845
B. I tried about the same as I do on my regular schoolwork.	61	46	28	86	52	27	16	6	4	853	61	28	52	16	4	853	55	17	48	25	10	847
C. I did not try as hard on this test as I do on my regular schoolwork.	5	3	21	5	36	4	29	2	14	846	5	21	36	29	14	846	6	8	36	29	26	839
<b>Which courses do you plan to take before you graduate from high school?</b>																						
A. earth and space science and/or biology	24	12	19	33	53	11	18	6	10	848	24	19	53	18	10	848	26	9	48	29	14	844
B. the course(s) described in A, plus chemistry	24	22	34	33	52	8	13	1	2	855	24	34	52	13	2	855	23	17	49	22	12	847
C. the course(s) described in B, plus physics	26	26	38	34	49	9	13	0	0	858	26	38	49	13	0	858	21	31	44	17	7	852
D. a life science and physical science class	26	10	15	31	46	23	34	4	6	846	26	15	46	34	6	846	30	7	46	32	14	842
<b>How well does the following statement reflect your future goals? "I am interested in a career related to science, technology, engineering, or mathematics."</b>																						
A. strongly agree	27	24	33	38	52	8	11	3	4	855	27	33	52	11	4	855	27	23	47	20	10	849
B. agree	37	23	23	51	52	22	22	3	3	853	37	23	52	22	3	853	37	14	47	27	12	846
C. disagree	27	22	31	31	43	16	22	3	4	851	27	31	43	22	4	851	25	11	48	29	12	845
D. strongly disagree	9	3	12	12	48	7	28	3	12	845	9	12	48	28	12	845	11	9	44	31	17	842
<b>How do you feel about the following statement? "My knowledge of science will be useful to me as an adult."</b>																						
A. strongly agree	26	25	36	35	50	8	11	2	3	855	26	36	50	11	3	855	31	22	46	22	10	849
B. agree	53	37	26	73	51	27	19	5	4	852	53	26	51	19	4	852	50	14	49	26	11	846
C. disagree	16	8	19	18	42	13	30	4	9	847	16	19	42	30	9	847	14	9	45	31	15	843
D. strongly disagree	5	2	14	6	43	5	36	1	7	843	5	14	43	36	7	843	5	3	38	34	25	837
<b>Optional school/SAU question</b>																						
A.	33	0	0	1	50	1	50	0	0	842	33	0	50	50	0	842						
B.	67	0	0	1	25	2	50	1	25	836	67	0	25	50	25	836						
C.	0										0											
D.	0										0											

E = Exceeds the Standards   M = Meets the Standards   P = Partially Meets the Standards   D = Does Not Meet the Standards  
 N = Number